

Flood Control Project Maintenance**2013 Structure Summary Report****Overall Unit and Item Ratings****Turlock Irrigation District Gomes Lake****Gomes Lake Pumping Plant**

Overall Unit Rating	Rated Item	Item Rating
A	Operating Log	A
	Operation & Maintenance Manual	A
	Plant Building	A
	Communications	A
	Safety	A
	Cranes	N
	Pumps	A
	Power	A
	Motors, Engines, Fans & Gear Reducers	N
	Pump Control Systems	A
	Sumps/Wet Well	A
	Trash Racks	A
	Trash Rakes	N
	Sluice / Slide Gates	A
	Electric Gate Operators	A
	Manual Gate Operators	A
	Other Metallic Items	A
	Flap Gates	A
	Closure Structures	N
	Security Fencing	A
	Intake and Discharge Pipes	A

Flood Control Project Maintenance**Unit Cover Sheet****2013 Pumping Plant Inspection Results****Turlock Irrigation District Gomes Lake**

Pumping Plant
Gomes Lake Pumping Plant

Pumping Plant Rating	A
Date of Inspection	08/01/2013
DWR Inspector	Pavel Kazi
Accompanied By	Robert Caetano TID

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2013

Gomes Lake

Structure	Structure Length	Inspection Start/End	Inspector
Gomes Lake Pumping Plant		08/01/2013 08/01/2013	Pavel Kazi

LMR No.	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	Photo
1	0.00	0.00	Pump Stations	Operating Log		A	Item inspected visually only. Item was not operated during the inspection. Inspector Comments: Operation log was present at the plant, and the log was up to date.	37.481567 ° -121.046617 °	37.481567 ° -121.046617 °	1 Y
2	0.00	0.00	Pump Stations	Operation & Maintenance Manual		A	Item inspected visually only. Item was not operated during the inspection. Inspector Comments: The O&M manual was present at the plant.	37.481567 ° -121.046617 °	37.481567 ° -121.046617 °	2 Y
3	0.00	0.00	Pump Stations	Plant Building		A	Item inspected visually only. Item was not operated during the inspection. Inspector Comments: The plant building appeared to be in good structural condition with no major visible concrete damage.	37.481567 ° -121.046617 °	37.481567 ° -121.046617 °	3 Y
4	0.00	0.00	Pump Stations	Communications		A	Item inspected visually only. Item was not operated during the inspection. Inspector Comments: District personnel carried cell phones.	37.481567 ° -121.046617 °	37.481567 ° -121.046617 °	4 Y
5	0.00	0.00	Pump Stations	Safety		A	Item inspected visually only. Item was not operated during the inspection. Inspector Comments: No significant safety hazard was observed at the plant during inspection. The lights were in working condition along with guard rails around the structure.	37.481567 ° -121.046617 °	37.481567 ° -121.046617 °	5 Y
6	0.00	0.00	Pump Stations	Cranes		N	Item inspected visually only. Item was not operated during the inspection. Inspector Comments: No crane was present at this plant.	37.481567 ° -121.046617 °	37.481567 ° -121.046617 °	6 Y
7	0.00	0.00	Pump Stations	Pumps		A	Item inspected visually only. Item was not operated during the inspection. Inspector Comments: All pumps were properly maintained and lubricated and they were periodically tested before the high water season.	37.481567 ° -121.046617 °	37.481567 ° -121.046617 °	7 Y
8	0.00	0.00	Pump Stations	Power		A	Item inspected visually only. Item was not operated during the inspection. Inspector Comments: The power source for this plant was delivered by the power grid rather than a generator and it appeared to be adequate and reliable.	37.481567 ° -121.046617 °	37.481567 ° -121.046617 °	8 Y
9	0.00	0.00	Pump Stations	Motors, Engines, Fans & Gear Reducers		N	Item inspected visually only. Item was not operated during the inspection. Inspector Comments: Other than the pump, no gear reducer or any other mechanical motor was present at the plant.	37.481567 ° -121.046617 °	37.481567 ° -121.046617 °	10 Y
10	0.00	0.00	Pump Stations	Pump Control Systems		A	Item inspected visually only. Item was not operated during the inspection. Inspector Comments: The pump control system was operational and appeared to be free of any damage or corrosion.	37.481567 ° -121.046617 °	37.481567 ° -121.046617 °	11 Y

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2013

Gomes Lake

Structure						Structure Length	Inspection Start/End	Inspector
Gomes Lake Pumping Plant							08/01/2013 08/01/2013	Pavel Kazi

LMR No.	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	Photo
11	0.00	0.00	Pump Stations	Sumps/Wet Well		A	Item inspected visually only. Item was not operated during the inspection. Inspector Comments: The wet well was clear of excessive debris and other obstructions.	37.481567 ° -121.046617 °	37.481567 ° -121.046617 °	12 Y
12	0.00	0.00	Pump Stations	Trash Racks		A	Item inspected visually only. Item was not operated during the inspection. Inspector Comments: The trash racks were free of debris and appeared to be maintained properly.	37.481567 ° -121.046617 °	37.481567 ° -121.046617 °	13 Y
13	0.00	0.00	Pump Stations	Trash Rakes		N	Item inspected visually only. Item was not operated during the inspection. Inspector Comments: No trash rakes were present at this plant.	37.481567 ° -121.046617 °	37.481567 ° -121.046617 °	14 Y
14	0.00	0.00	Pump Stations	Sluice / Slide Gates		A	Item inspected visually only. Item was not operated during the inspection. Inspector Comments: The slide gates were free of any debris and appeared to be in good working condition.	37.481567 ° -121.046617 °	37.481567 ° -121.046617 °	15 Y
15	0.00	0.00	Pump Stations	Electric Gate Operators		A	Item inspected visually only. Item was not operated during the inspection. Inspector Comments: The electric gate operators were in good working condition.	37.481567 ° -121.046617 °	37.481567 ° -121.046617 °	16 Y
16	0.00	0.00	Pump Stations	Manual Gate Operators		A	Item inspected visually only. Item was not operated during the inspection. Inspector Comments: Manual gate operators appeared to be operational and capable of opening and closing the gate properly.	37.481567 ° -121.046617 °	37.481567 ° -121.046617 °	17 Y
17	0.00	0.00	Pump Stations	Other Metallic Items		A	Item inspected visually only. Item was not operated during the inspection. Inspector Comments: All the other metal parts in the plant appeared to be in good condition.	37.481567 ° -121.046617 °	37.481567 ° -121.046617 °	18 Y
18	0.00	0.00	Pump Stations	Flap Gates		A	Item inspected visually only. Item was not operated during the inspection. Inspector Comments: The flap gates appeared to be in good working condition and capable of performing as intended.	37.481567 ° -121.046617 °	37.481567 ° -121.046617 °	19 Y
19	0.00	0.00	Pump Stations	Closure Structures		N	Item inspected visually only. Item was not operated during the inspection. Inspector Comments: No closure structure exists at this plant.	37.481567 ° -121.046617 °	37.481567 ° -121.046617 °	20 Y
20	0.00	0.00	Pump Stations	Security Fencing		A	Item inspected visually only. Item was not operated during the inspection. Inspector Comments: The security fencing appeared to be in good condition and should provide protection against unauthorized access.	37.481567 ° -121.046617 °	37.481567 ° -121.046617 °	21 Y

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2013

Gomes Lake

Structure						Structure Length	Inspection Start/End	Inspector
Gomes Lake Pumping Plant							08/01/2013 08/01/2013	Pavel Kazi

LMR No.	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	Photo
21	0.00	0.00	Pump Stations	Intake and Discharge Pipes		A	Item inspected visually only. Item was not operated during the inspection. Inspector Comments: The intake and discharge pipes appeared to be free of any breaks, holes or cracks.	37.481567 ° -121.046617 °	37.481567 ° -121.046617 °	22

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Gomes Lake Pumping Plant		08/01/2013 08/01/2013	Pavel Kazi

Levee Mile Report Line	1
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Pump Stations
Item	Operating Log

View of the operating log.

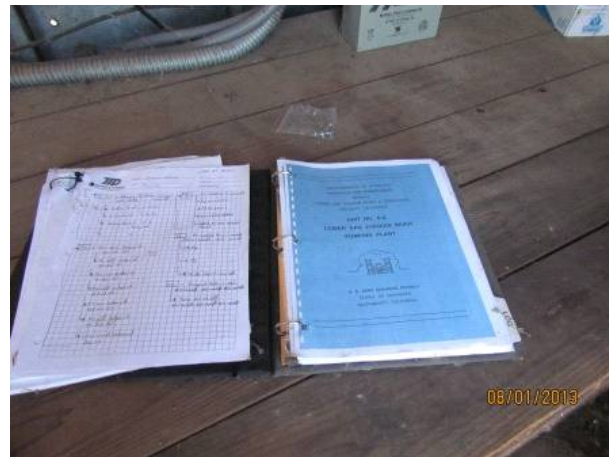
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Levee Mile Report Line	2
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Pump Stations
Item	Operation & Maintenance Manual

View of the O&M manual inside the plant.

pkazi_t_20130815_269.JPG



Levee Mile Report Line	3
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Pump Stations
Item	Plant Building

View of the pumping plant.

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Gomes Lake Pumping Plant		08/01/2013 08/01/2013	Pavel Kazi

Levee Mile Report Line	5
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Pump Stations
Item	Safety

View of the guard rails around the pumping plant.

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Levee Mile Report Line	7
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Pump Stations
Item	Pumps

View of the pumps.

pkazi_t_20130815_273.JPG



Levee Mile Report Line	7
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Pump Stations
Item	Pumps

Alternate view of the pumps.

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Levee Mile Report Line	7
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Pump Stations
Item	Pumps

View of one of the pumps.

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Levee Mile Report Line	8
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Pump Stations
Item	Power

View of the power source at the plant.

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Levee Mile Report Line	10
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Pump Stations
Item	Pump Control Systems

View of the power switch system.

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Levee Mile Report Line	10
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Pump Stations
Item	Pump Control Systems

View of the one of the pump power control box.

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Levee Mile Report Line	10
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Pump Stations
Item	Pump Control Systems

View of the power meter.

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Levee Mile Report Line	11
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Pump Stations
Item	Sumps/Wet Well

View of the wet well.

pkazi_t_20130815_280.JPG



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Levee Mile Report Line	11
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Pump Stations
Item	Sumps/Wet Well

View of the wet well.

pkazi_t_20130815_281.JPG



Levee Mile Report Line	12
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Pump Stations
Item	Trash Racks

View of the trash racks.

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Levee Mile Report Line	14
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Pump Stations
Item	Sluice / Slide Gates

View of the slide gate from the top of the structure.

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Levee Mile Report Line	16
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Pump Stations
Item	Manual Gate Operators

View of the manual gates.

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Levee Mile Report Line	17
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Pump Stations
Item	Other Metallic Items

Detail view of bottom of a pump.

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Levee Mile Report Line	18
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Pump Stations
Item	Flap Gates

View of the flap gates.

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Levee Mile Report Line	20
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Pump Stations
Item	Security Fencing

View of the fences around the pumping plant.

pkazi_t_20130815_287.JPG



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